Date: Tue, 17 May 94 04:30:17 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #132
To: Ham-Homebrew

Ham-Homebrew Digest Tue, 17 May 94 Volume 94 : Issue 132

Today's Topics:

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

Date: 16 May 1994 20:18:10 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!concert!
inxs.concert.net!taco.cc.ncsu.edu!salavi@network.ucsd.edu
Subject: ?? Need help with an external short wave radio antenna ??
To: ham-homebrew@ucsd.edu

I need to gather some info on building an antenna for short wave reception? Please excuse my ignorance, I am very new at this. Someone told me that All I need to do is connect a very long thin wire from an adjacent tree to the house and one from the ground and connect them into the adapter that goes into the external antenna plug. I have some questions:

1) How long should this wire be? Is it somehow related to the

frequencies that I am interested in? What if I am interested in
more than one?

2) should the wire be shilded or unshielded?

3) what should be the gauge of the wire? The thicker the better?

4) should the wire be the meshed type or a single thread?

>>> Please include this message for reference <<<
====== S. Alavi [salavi@unity.ncsu.edu] (919)467-7909 (H) ========
(919)856-3817 (W)

Date: Tue, 17 May 1994 08:50:19 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
news.csuohio.edu!vmcms.csuohio.edu!R0264@network.ucsd.edu
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>>> Please include this message for reference <<<
====== S. Alavi [salavi@unity.ncsu.edu] (919)467-7909 (H) ========
(919)856-3817 (W)

It does not make much difference on most of what you ask. Almost any
kind of wire will work. Get at least about 50 feet outdoors and up high.
------ Phil Emerson.

Date: Tue, 17 May 94 03:08:22 CST
From: usenet.elf.com!sundog.tiac.net!usenet@uunet.uu.net
Subject: HELP! - Sharp PC-6200 lcd & docs
To: ham-homebrew@ucsd.edu

hi, mitch wa4osr here in mobile, alabama...

my sharp pc-6200 was dropped and the lcd display
was damaged... upon taking the display apart, one
of the surface mount column drivers was cracked...
rendering the display unusable... therefore,
i am in desperate need of the lcd display panel...
the part numbers on the display panel are LM64N671
and 90D13145W ... both numbers are on the panel...
my pc-6200 is actually a pc-6220, which
i think indicates that it has a 20 mb hard drive...

i bought the pc-6220 used with absolutely *NO* docs...
it has the 2400 baud internal modem... i need *ANY*
info, but especially would appreciate a copy of the
owner/operator manual... i will gladly pay for
copies/postage...

if anyone can help with a source of the lcd panel or
with the docs please email me or call me collect
at the below numbers...

thanks for any help/leads...

mitch, wa4osr

fmitch@netcom.com
205-476-4100 work
205-342-7259 home
11 Midtown Park, E.
Mobile, AL 36606

Date: 16 May 94 12:18:01 CDT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!howland.reston.ans.net!
vixen.cso.uiuc.edu!uchinews!cdsmail!timbuk.cray.com!ned.cray.com!lindco2!
jal@network.ucsd.edu
Subject: Jackson tube tester
To: ham-homebrew@ucsd.edu

I bought a Jackson Model 103 Dynamic Tube Tester at a garage sale recently, it's suppose to work, just missing some knobs.

I was wondering if anyone might have any information on this tester.

Please email me direct.

Thanks in advance,


```
-------------------------------------------------------------------------------
  /`-_      Jim Lindberg                   | You should have seen them run,
 { .   }/   Cray Research Inc.             | When they found it was a waterhole
  \    /    Chippewa Falls, WI  54729  USA | And they were looking for alcohol.
   |___|    jal@cray.com                   |  -Groucho Marx
-------------------------------------------------------------------------------
```

Date: 16 May 1994 18:46:32 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!vixen.cso.uiuc.edu!uxa.cso.uiuc.edu!
btbg1194@network.ucsd.edu
Subject: Man named Loomis invented radio?
To: ham-homebrew@ucsd.edu

Newsgroups: uiuc.org.synton
Subject: Somebody named Loomis invented radio?
Date: 1 May 1994 02:01:51 GMT
Organization: University of Illinois at Urbana

I read something recently that a man named Loomis might have
"invented" radio in the late 1800's before Marconi & Hertz et al.

This might be an ancestor of the person for whom the University of
Illinois physics department "Loomis Lab" is named.

Does anybody else know more about this?

kb8cne, Brad

--
Brad Banko; Univ of Illinois; b-banko@uiuc.edu
As much as our network and systems are loaded, the US Mail is often faster. :-)
See one. Do one. Teach one.   73 de kb8cne @ n9lnq.il
--
Brad Banko; Univ of Illinois; b-banko@uiuc.edu

As much as our network and systems are loaded, the US Mail is often faster. :-)
See one. Do one. Teach one.   73 de kb8cne @ n9lnq.il

Date: 11 May 94 18:21:46 GMT
From: agate!howland.reston.ans.net!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!
olivea!koriel!newsworthy.West.Sun.COM!abyss.West.Sun.COM!spot!
myers@ucbvax.berkeley.edu
Subject: MOSFET Power Amp Schematics/Info ???
To: ham-homebrew@ucsd.edu

In article 2301@arrl.org, zlau@arrl.org (Zack Lau (KH6CP)) writes:
>
>The November 1989 QST Technical correspondence piece by Hayward is
>worth reading. Interestingly, a ferrite bead can destabilize a
>FET amplifier (contrary to some people's opinion). It recommends
>low impedance, non-inductive terminations for class A amplifiers.

I recall that DeMaw has often suggested using ferrite beads on the
gates of power FETs. I stopped doing this after I thought about it
for a few moments. This strikes me the same as the "common wisdom"
about putting Zener diodes on the collectors of HF amplifier transistors
to protect against SWR induced damage. I've never actually measured the
time it takes a common 40V Zener diode to start conducting, but I tend
to think it is far too slow to clamp an RF wave. I decided the Zener
was simply a source of capacitance. Later, I read Roy's (W7EL) letter in
QST (also in the QRP Classics ARRL book) which examines the high voltage
ringing at the collectors of VHF transistors used in class C amplifiers.
Roy speculated that the use of Zeners adds capacitance, which eliminates
the ringing.

I'll follow this note up with another regarding the gate capacitance of
a power MOSFET....

---
 * Dana H. Myers KK6JQ, DoD#: j | Views expressed here are
    *
 * (310) 348-6043 | mine and do not necessarily   *
 * Dana.Myers@West.Sun.Com | reflect those of my employer
    *
 * This Extra supports the abolition of the 13 and 20 WPM tests *

Date: 16 May 94 19:51:34 GMT
From: sdd.hp.com!think.com!Think.COM!bruce@hplabs.hpl.hp.com
Subject: post QRP-Digest here?

To: ham-homebrew@ucsd.edu

As some of you know, I administer an Internet mailing list devoted to QRP. Since there is much cross-interest among the QRP crowd and homebrewers, someone suggested that I post the daily digests from the QRP list to this group (one message each night) on an experimental basis.

Note that I am *not* planning to feed the messages from this newsgroup into the QRP list; if you want to reply to a topic on the list, you will have to mail to the specific recipient or to the mailing list as a whole.

If you have strong feelings one way or another, please let me know in private mail.

If you just want to join the QRP mailing list, send a "subscribe qrp" or "subscribe qrp-digest" message to majordomo@think.com, not to me personally!!

--
--Bruce Walker
  Thinking Machines Corporation, Cambridge, MA
  bruce@think.com; +1 617 234 4810; Aviation: PP-ASEL; Radio: WT1M

Date: 16 May 1994 12:01:19 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!news.duke.edu!zombie.ncsc.mil!cs.umd.edu!newsfeed.gsfc.nasa.gov!trmmstocker.gsfc.nasa.gov!stocker@network.ucsd.edu
Subject: Ten-Tec 1208 transverter kit - schedule update
To: ham-homebrew@ucsd.edu

In article <dgfCprE3C.A39@netcom.com> David Feldman, dgf@netcom.com writes:
> As of today 5/13/94 Ten-Tec says of the 6M transverter kit that the manuals are
> being proofread currently, and shipment expected 7/10 days from now.
>
> E openings going a-wasting :-(
>
> 73 Dave WB0GAZ dgf@netcom.com

Could someone email me the address of Ten-Tec. I am definitely interested in
the 6m transverter kit.

****
* Erich Franz Stocker   *

* N3OXM   *
* stocker@spso.gsfc.nasa.gov   *
*   *
* My ideas are my own and do not represent*
* the opinions of the federal government, *
* NASA or Goddard Space Flight Center.   *
****

Date: 13 May 94 08:24:44 GMT
From: agate!howland.reston.ans.net!pipex!uknet!EU.net!sunic!news.lth.se!
news.lu.se!nilsolof.geol.lu.se!Nils-Olof.Svensson@ucbvax.berkeley.edu
Subject: Walkie-talkie for data transfer
To: ham-homebrew@ucsd.edu

I am in the precess of planning the design of electronic barometre for field measurements of altitude (no comersial things, only for my use).
To compensate for drift due to weather changes I need to use two instruments one at a fixed point of known altitude and one I am walking in the terrain with. Either I can have a computer or a person recording values at the fixed station, but better would be to radio transmit data the maximum 2 km to the second unit. To do it cheaply I am thinking of using two Walkie-Talkies for this, the measured voltage at the fixed station should be converted into a voltage depending frequencie and fed into the microphone and transmitted. The receiver gets the frequencie, converts it back to voltage and ads it as a offset to measured pressure value wich then are displayed by a digital volt metre.
As I know nothing about radios etc I am sure there could be some problems, such as: which audible frequency interval is best to use?, can the sent freq. be a square wave or is sinus better?, can I connect directly to Microphone and speakerconnections or would an Optic or audible coupler be better? How to eliminate or reduce noice?, Will a Walkie-Talkie manage to transmit continously for a day (with a large battery)? Is there a better solution?
Any hints to these questions or other complications would be most valuable.

Best regards

Nils-Olof Svensson
Dept of Quat. Geology, Lund University
Email Nils-Olof.Svensson@geol.lu.se

Date: 11 May 94 17:47:41 GMT
From: agate!howland.reston.ans.net!noc.near.net!usenet.elf.com!rpi!psinntp!
arrl.org!zlau@ucbvax.berkeley.edu

Subject: Want:24 GHz Gunnplexer
To: ham-homebrew@ucsd.edu

Looking for 24 GHz Gunnplexer with varactor tuning--trying to
get on all bands/modes used in the Northeast during VHF+
contests.
--
Zack Lau KH6CP/1
Internet: zlau@arrl.org

2 way QRP WAS
8 States on 10 GHz
10 grids on 2304 MHz

End of Ham-Homebrew Digest V94 #132
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